

DATE 07/30/2009

Columbia County Building Permit

PERMIT

This Permit Must Be Prominently Posted on Premises During Construction

000027983

APPLICANT ROBERT REED PHONE 386.288.6701
ADDRESS 184 SW LUCY CT LAKE CITY FL 32025
OWNER ROBERT REED PHONE 386.288.6701
ADDRESS 184 SW LUCY CT LAKE CITY FL 32025
CONTRACTOR ROBERT REED PHONE 386.288.6701
LOCATION OF PROPERTY 90-W TO C-341-S(SIS. WELCOME ROAD)TL TO CREEKSIDE LN,TR TO LUCY CT., TR TO CUL-DE-SAC ON L.
TYPE DEVELOPMENT ADDITION/SFD ESTIMATED COST OF CONSTRUCTION 22600.00
HEATED FLOOR AREA 452.00 TOTAL AREA 452.00 HEIGHT 35.00 STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 1'12 FLOOR CONC
LAND USE & ZONING RSF-2 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO. _____

PARCEL ID 12-4S-16-02939-114 SUBDIVISION CREEKSIDE
LOT 14 BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES 0.50

Culvert Permit No. _____ Culvert Waiver _____ Contractor's License Number _____ Applicant/Owner/Contractor *Robert S. Reed*
EXISTING 09-0391-E BLK HD N
Driveway Connection _____ Septic Tank Number _____ LU & Zoning checked by _____ Approved for Issuance _____ New Resident _____

COMMENTS: NOC ON FILE.

Check # or Cash 454

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ Foundation _____ Monolithic _____
date/app. by _____ date/app. by _____ date/app. by _____
Under slab rough-in plumbing _____ Slab _____ Sheathing/Nailing _____
date/app. by _____ date/app. by _____ date/app. by _____
Framing _____ Insulation _____
date/app. by _____ date/app. by _____
Rough-in plumbing above slab and below wood floor _____ Electrical rough-in _____
date/app. by _____ date/app. by _____
Heat & Air Duct _____ Peri. beam (Lintel) _____ Pool _____
date/app. by _____ date/app. by _____ date/app. by _____
Permanent power _____ C.O. Final _____ Culvert _____
date/app. by _____ date/app. by _____ date/app. by _____
Pump pole _____ Utility Pole _____ M/H tie downs, blocking, electricity and plumbing _____
date/app. by _____ date/app. by _____ date/app. by _____
Reconnection _____ RV _____ Re-roof _____
date/app. by _____ date/app. by _____ date/app. by _____

BUILDING PERMIT FEE \$ 115.00 CERTIFICATION FEE \$ 2.26 SURCHARGE FEE \$ 2.26
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$ _____
FLOOD DEVELOPMENT FEE \$ _____ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ _____ TOTAL FEE 194.52
INSPECTORS OFFICE _____ CLERKS OFFICE _____

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

Columbia County Building Permit Application

For Office Use Only Application # 090729 Date Received 7/17 By JW Permit # 27983
 Zoning Official BLK Date 22.07.09 Flood Zone X Land Use Res. Low Dens Zoning RSF-2
 FEMA Map # N/A Elevation N/A MFE N/A River N/A Plans Examiner HD Date 7-22-09
 Comments _____
☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☐ State Road Info ☐ Parent Parcel # _____
☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter _____
 IMPACT FEES: EMS _____ Fire _____ Corr _____ Road/Code _____
 School _____ = TOTAL N/A addition

Septic Permit No. 09-0391 E Fax N/A
 Name Authorized Person Signing Permit ROBERT REED Phone (386) 288-6701
 Address 184 SW LUCY CT LAKE CITY, FL 32025
 Owners Name ROBERT AND KELLY REED Phone (386) 288-6701
 911 Address 184 SW LUCY CT LAKE CITY, FL 32025
 Contractors Name OWNER (SAME AS ABOVE) Phone _____
 Address _____

Fee Simple Owner Name & Address SAME
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address MARK DISOSWAY & WILL MYERS - SURFSMAN
 Mortgage Lenders Name & Address BANK OF AMERICA

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress Energy

Property ID Number 12-45-16 02939-114 Estimated Cost of Construction 15,000
 Subdivision Name CREEKSIDE S/D Lot 14 Block _____ Unit _____ Phase _____
 Driving Directions SISTERS WELCOME TO SW CREEKSIDE LN RT ON LUCY CT TO CUL DE SAC ON LT.

Number of Existing Dwellings on Property 1
 Construction of ADDITION TO SFD Total Acreage .5 Lot Size .5
 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 12'
 Actual Distance of Structure from Property Lines - Front N/A Side 53' Side 50' Rear 46'
 Number of Stories 1 Heated Floor Area 452 Total Floor Area 452 SF Roof Pitch 1/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

Columbia County Building Permit Application

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment: According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE: **YOU ARE HEREBY NOTIFIED** as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. It may be to your advantage to check and see if your property is encumbered by any restrictions.

(Owners Must Sign All Applications Before Permit Issuance.)



Owners Signature

****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

Contractor's Signature (Permitee)

Contractor's License Number
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this _____ day of _____, 20____.
Personally known _____ or Produced Identification _____

SEAL:

State of Florida Notary Signature (For the Contractor)

This Instrument Prepared by & return to:
Name: KIM WATSON, an employee of
TITLE OFFICES, LLC
Address: 343 NW COLE TERRACE, SUITE 101
LAKE CITY, FLORIDA 32055
File No. 07Y-08053KW

Parcel I.D. #: 02939-114

SPACE ABOVE THIS LINE FOR PROCESSING DATA

Inst. 200712020127 Date: 9/5/2007 Time: 2:08 PM
Doc Stamp-Deed: 1505 00

14 DC, P. DeWitt Cason, Columbia County Page 1 of 1

THIS WARRANTY DEED Made the 31st day of August, A.D. 2007, by **MARIE I. PALMER**,

a single person, hereinafter called the grantor, to **ROBERT E. REED and KELLY K. REED, HIS**
WIFE, whose post office address is 184 SW Lucy Court
hereinafter called the grantees: Lake City, FL 32025

(Wherever used herein the terms "grantor" and "grantees" include all the parties to this instrument, singular and plural, the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

Witnesseth: That the grantor, for and in consideration of the sum of \$10.00 and other valuable consideration, receipt whereof is hereby acknowledged, does hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantees all that certain land situate in **Columbia County, State of Florida**, viz:

Lot 14, CREEKSIDE, according to the map or plat thereof as recorded in Plat Book 7, Page 124-125, of the Public Records of Columbia County, Florida.

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold the same in fee simple forever.

And the grantor hereby covenants with said grantees that she is lawfully seized of said land in fee simple; that she has good right and lawful authority to sell and convey said land, and hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2007.

In Witness Whereof, the said grantor has signed and sealed these presents, the day and year first above written.

Signed, sealed and delivered in the presence of:

Shawna Lindsay

Witness Signature

Shawna Lindsay

Printed Name

Eileen M. Cunningham

Witness Signature

EILEEN M. CUNNINGHAM

Printed Name

x Marie I. Palmer L.S.
MARIE I. PALMER

Address:

**335 VAN BUS KIRK GULF ROAD, NEWFIELD,
NY 14867**

STATE OF New York
COUNTY OF Dominion

The foregoing instrument was acknowledged before me this 31st day of August, 2007, by **MARIE I. PALMER**, who is known to me or who has produced New York State License as identification.

Eileen M. Cunningham
Notary Public

My commission expires 6/20/2010

EILEEN M. CUNNINGHAM
Notary Public, State of New York
No. 01CU5029525
Qualified in Cayuga County
Commission Expires June 20, 2010



COLUMBIA COUNTY BUILDING DEPARTMENT

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Office: 386-758-1008 Fax: 386-758-2160

NOTARIZED DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THEIR OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$75,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved for yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

I understand that if I am not physically doing the work or physically supervising free labor from friends or relatives, that I must hire licensed contractors, i.e. electrician, plumber, mechanical (heating & air conditioning), etc. I further understand that the violation of not physically doing the work, and the use of unlicensed contractors at the construction site, will cause the project to be shut down by the inspection staff of the Columbia County Building Department. Additionally, state statutes allows for additional penalties. I also understand that if this violation does occur, that in order for the job to proceed, I will have a licensed contractor come in and obtain a new permit as taking the job over. I understand that if I hire subcontractors under a contract price, that they must be licensed to work in Columbia County, i.e. masonry, drywall, carpentry. Contractors licensed by the Columbia County Contractor Licensing Section or the State of Florida are required to have worker's compensation and liability coverage.

TYPE OF CONSTRUCTION

- () Single Family Dwelling () Two-Family Residence () Farm Outbuilding
() Other _____ (X) Addition Alteration, Modification or other Improvement

I ROBERT REED, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number _____

Robert Reed
Owner Builder Signature

7/30/09
Date

FLORIDA NOTARY

The above signer is personally known to me or produced identification Driver License
Notary Signature Laurie Hodson Date 7-30-09

FOR BUILDING DEPARTMENT USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statute ss 489.103(7). Date 7-30-09 Building Official/Representative [Signature]





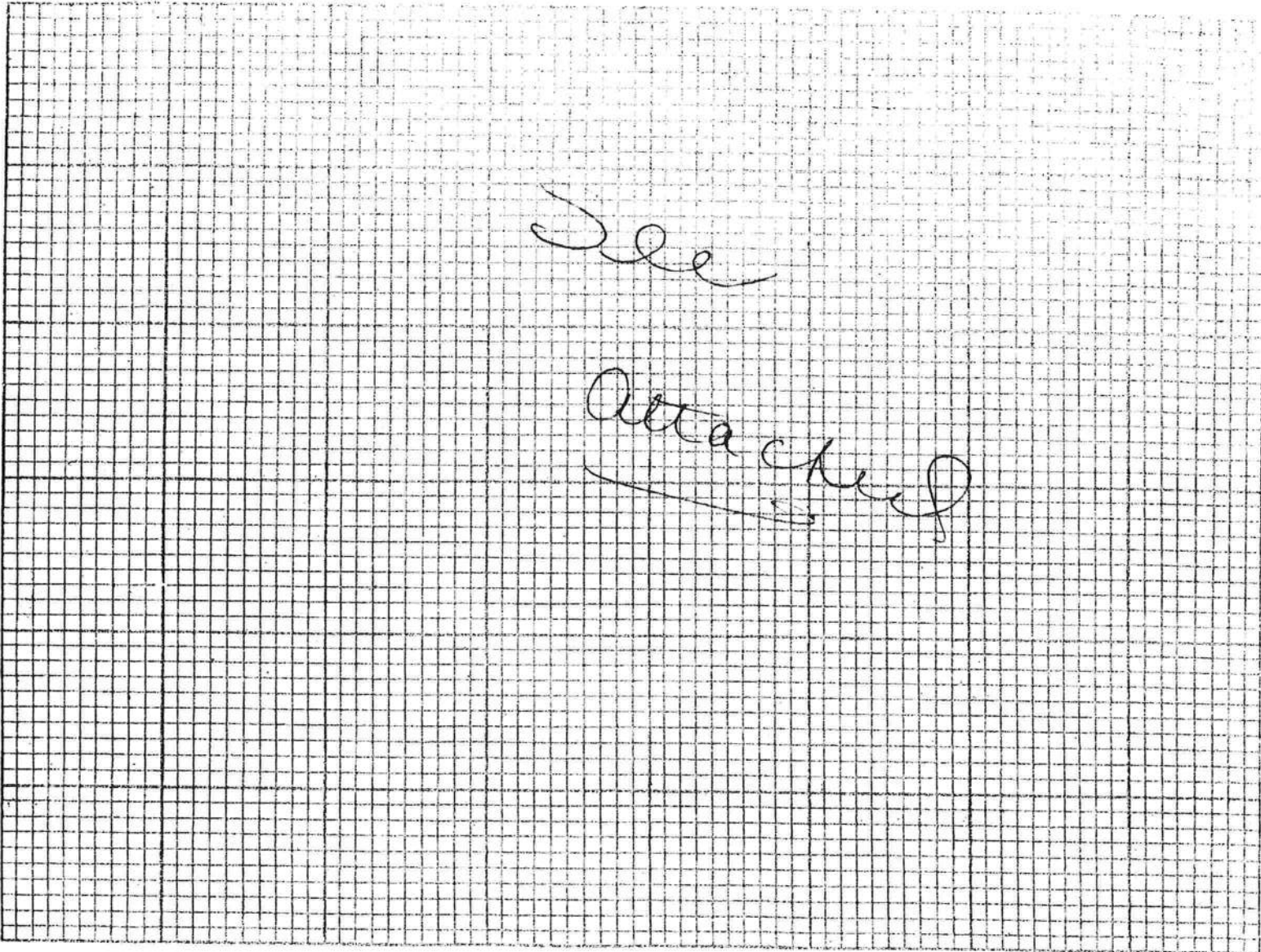
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 09-0391 E

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes: _____

Site Plan submitted by Robert S. Reed
Signature

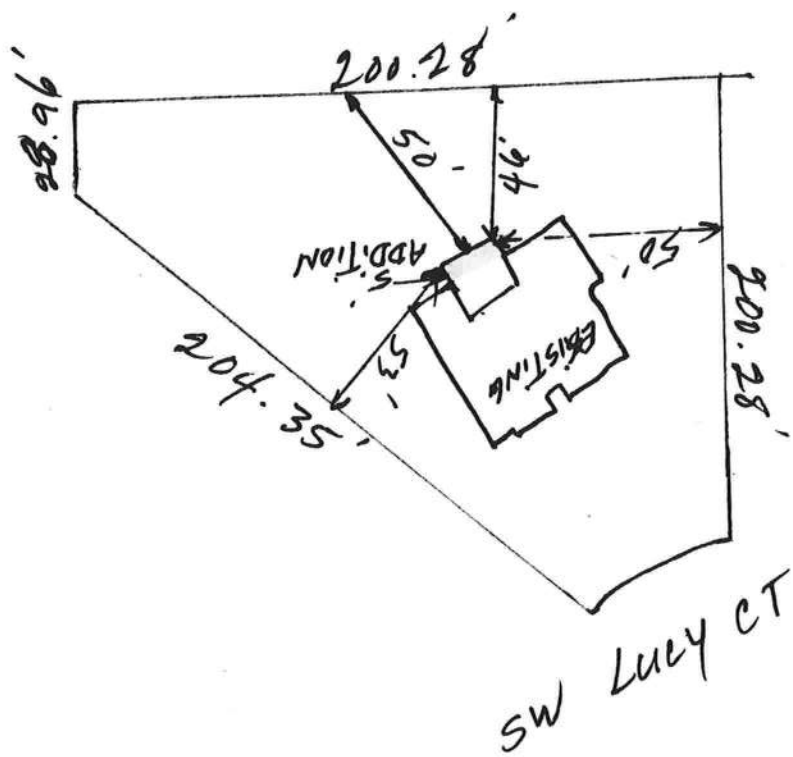
Plan Approved ☒ **APPROVED** Not Approved ☐

By [Signature] **Columbia CHD**

Title _____
Date 7/17/9

County Health Department

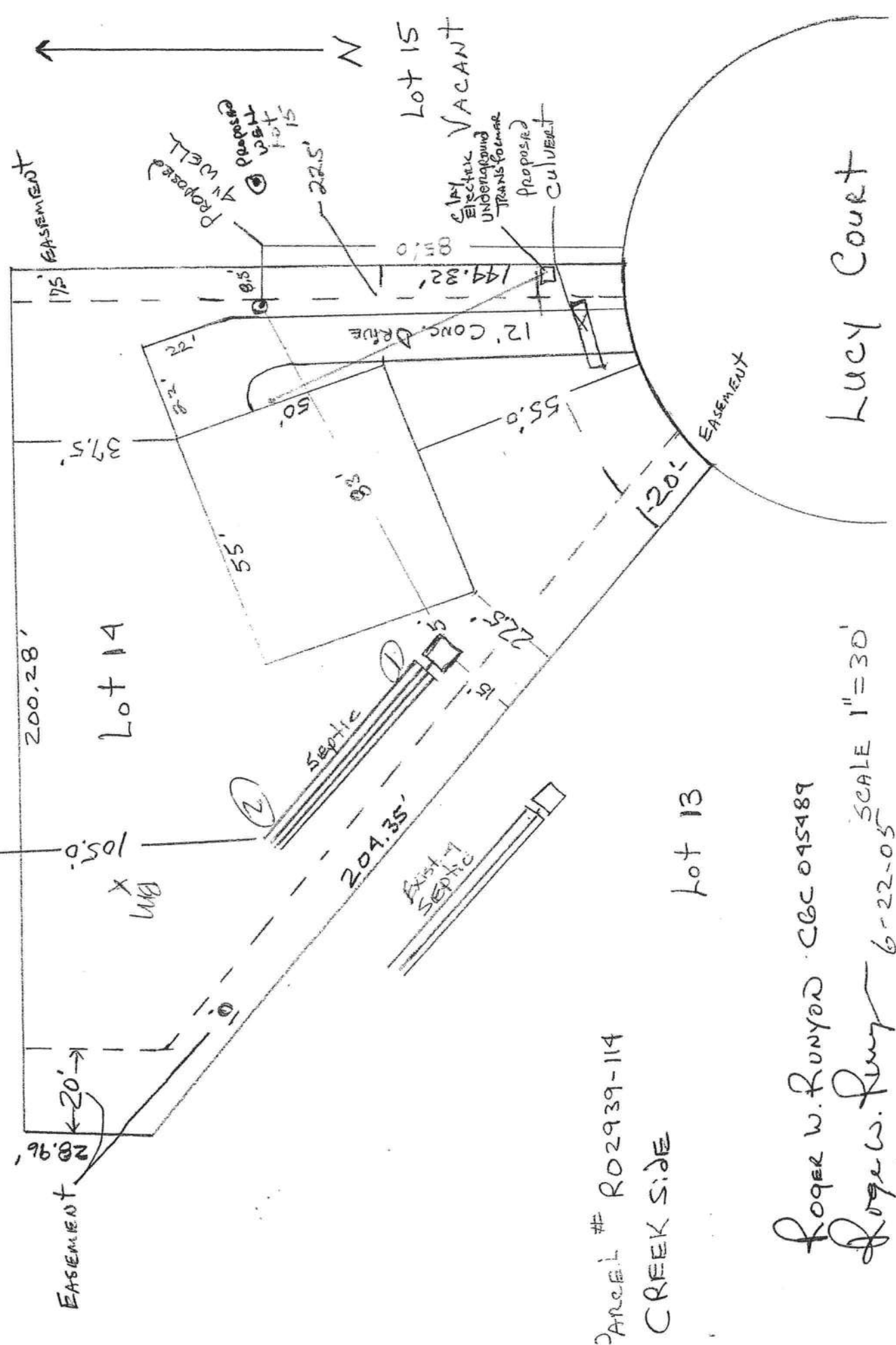
ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT



~~05061011~~
05061011

Lot 36

4" well

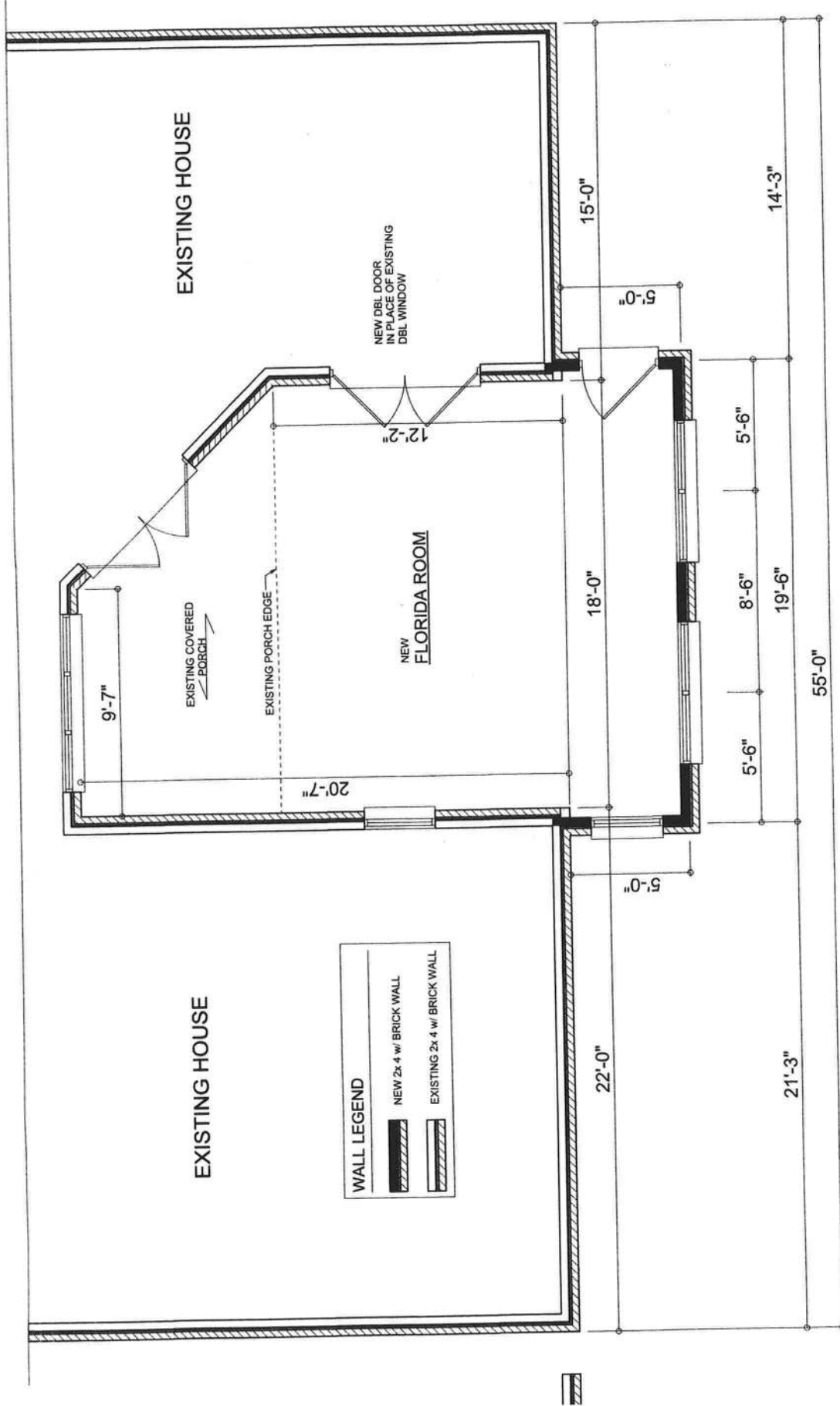


Parcel # R02939-114
CREEK SIDE

Lot 13

ROGER W. RUNYON CBC 045489
Roger W. Runyon 6-22-05 SCALE 1"=30'

Lucy Court



FLOOR PLAN
SCALE: 1/4" = 1'-0"

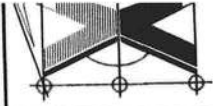
AREA SUMMARY

EXISTING HOME	1792	S.F.
IMPROVEMENTS AREA	452	S.F.
TOTAL AREA	2,244	S.F.

WMLC-777

FLORIDA ROOM ADDITION FOR:
REPORT REF: 0

WILLIAM
DE-24
P.O. BOX
LAKE CITY,
(386) 75
will@willm



JOB NO
081:

SHEET N

A.
OF 1 S

Location: 184 SW Hwy Ct.
Lulu City FL 32035

Project Name: Robert Keed Addition

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number
A. EXTERIOR DOORS			FL 4242
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			FL 16752.1
1. Single hung			FL 5108
2. Horizontal Slider			FL 5451
3. Casement			
4. Double Hung			
5. Fixed			FL 5418
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			FI-5782.1
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			FL 889-R
2. Soffits			FL 4899
3. EIFS		Vinyl Siding D5	FI 4905
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			FL 3820-R1
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			FL 586-R2
2. Underlayments			FL 1814-R1
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			FI 1735-R3
8. Roofing Tiles			FL 5680-R1
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number
13. Liquid Applied Roof Sys			
14. Cements-Adhesives - Coatings			FL 1960-R
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			FL 451-R
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			FL 474-R1
2. Truss plates			
3. Engineered lumber			
4. Railing			FL 1008-R
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Contractor or Contractor's Authorized Agent Signature

Location

Print Name

Date

Permit # (FOR STAFF USE ONLY)

Robert Red

27983

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name: 812053RobertReed
 Street: 184 SW Lucy Court
 City, State, Zip: , FL ,
 Owner: Robert Reed
 Design Location: FL, Gainesville

Builder Name: ROBERT REED
 Permit Office: COLUMBIA
 Permit Number:
 Jurisdiction: 22100C

1. New construction or existing	Addition	
2. Single family or multiple family	Single-family	
3. Number of units, if multiple family	1	
4. Number of Bedrooms	3	
5. Is this a worst case?	No	
6. Conditioned floor area (ft ²)	452	
7. Windows	Description	Area
a. U-Factor:	Dbl, default	75.00 ft ²
SHGC:	Clear, default	
b. U-Factor:	N/A	ft ²
SHGC:		
c. U-Factor:	N/A	ft ²
SHGC:		
d. U-Factor:	N/A	ft ²
SHGC:		
e. U-Factor:	N/A	ft ²
SHGC:		
8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	452.00 ft ²
b. N/A	R=	ft ²
c. N/A	R=	ft ²

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	236.00 ft ²
b. N/A	R=	ft ²
c. N/A	R=	ft ²
d. N/A	R=	ft ²
10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	452.00 ft ²
b. N/A	R=	ft ²
c. N/A	R=	ft ²
11. Ducts		
a. Sup: Interior Ret: Interior AH: Exterior Sup. R= 6, 1 ft ²		
12. Cooling systems -		
a. PTAC and Room Unit	Cap: 9.9 kBtu/hr	
	EER: 13	
13. Heating systems -		
a. Window/Wall Heat Pump	Cap: 8.2 kBtu/hr	
	HSPF: 7.7	
14. Hot water systems		
a. Electric	Cap: 40 gallons	
	EF: 0.92	
b. Conservation features		
None		
15. Credits		None

Glass/Floor Area: 0.166

Total As-Built Modified Loads: 6.68

Total Baseline Loads: 8.18

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: [Signature]DATE: 7/20/09 E. BARNES

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: _____

DATE: _____

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.



BUILDING OFFICIAL: _____

DATE: _____

PROJECT

Title:	812053RobertReed	Bedrooms:	3	Address Type:	Street Address
Building Type:	FLAsBuilt	Bathrooms:	0	Lot #	
Owner:	Robert Reed	Conditioned Area:	452	SubDivision:	
# of Units:	1	Total Stories:	1	PlatBook:	
Builder Name:		Worst Case:	No	Street:	184 SW Lucy Court
Permit Office:		Rotate Angle:	0	County:	Columbia
Jurisdiction:		Cross Ventilation:	No	City, State, Zip:	, FL ,
Family Type:	Single-family	Whole House Fan:	No		
New/Existing:	Addition				
Comment:					

CLIMATE

✓	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Gainesville	FL_GAINESVILLE_REGI	2	32	92	75	70	1305.5	51	Medium

FLOORS

✓	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	29.5 ft	0	452 ft²	1	0	0

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
_____	1	Gable or shed	Composition shingles	466 ft²	56 ft²	Dark	0.96	No	0	14 deg

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	303	452 ft²	N	N

CEILING

✓	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	30	452 ft²	0.11	Wood

WALLS

✓	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
_____	1	N	Exterior	Frame - Wood	13	156 ft²	0	0.23	0.75
_____	2	E	Exterior	Frame - Wood	13	40 ft²	0	0.23	0.75
_____	3	W	Exterior	Frame - Wood	13	40 ft²	0	0.23	0.75

DOORS

✓	#	Ornt	Door Type	Storms	U-Value	Area
	1	W	Insulated	None	0.4	20 ft²

WINDOWS

Window orientation below is as entered. Actual orientation is modified by rotate angle shown in "Project" section above.

✓	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang Depth	Separation	Int Shade	Screening
	1	N	Metal	Double (Clear)	No	0.87	0.66	N	60 ft²	0 ft 18 in	0 ft 6 in	HERS 2006	None
	2	E	Metal	Double (Clear)	No	0.87	0.66	N	15 ft²	0 ft 18 in	0 ft 12 in	HERS 2006	None

INFILTRATION & VENTING

✓	Method	SLA	CFM 50	ACH 50	ELA	EqLA	---- Forced Ventilation ---- Supply CFM Exhaust CFM		Run Time Fraction	Fan Watts
	Default	0.00070	830	13.77	45.6	85.7	0 cfm	0 cfm	0	0

COOLING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless
	1	PTAC and Room Unit	None	EER: 13	8 kBtu/hr	240 cfm	0.75	

HEATING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Ductless
	1	Window/Wall Heat Pump	None	HSPF: 7.7	8 kBtu/hr	

HOT WATER SYSTEM

✓	#	System Type	EF	Cap	Use	SetPnt	Conservation
	1	Electric	0.92	40 gal	60 gal	120 deg	None

SOLAR HOT WATER SYSTEM

✓	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
	None	None			ft²		

DUCTS

✓	#	---- Supply ----			---- Return ----		Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
	1	Location	R-Value	Area	Location	Area	Default Leakage	Exterior				
		Interior	6	1 ft²	Interior	0 ft²						

TEMPERATURES

Programable Thermostat: N

Ceiling Fans:

Cooling	<input checked="" type="checkbox"/>	Jan	<input checked="" type="checkbox"/>	Feb	<input checked="" type="checkbox"/>	Mar	<input checked="" type="checkbox"/>	Apr	<input checked="" type="checkbox"/>	May	<input checked="" type="checkbox"/>	Jun	<input checked="" type="checkbox"/>	Jul	<input checked="" type="checkbox"/>	Aug	<input checked="" type="checkbox"/>	Sep	<input checked="" type="checkbox"/>	Oct	<input checked="" type="checkbox"/>	Nov	<input checked="" type="checkbox"/>	Dec	<input checked="" type="checkbox"/>
Heating	<input checked="" type="checkbox"/>	Jan	<input checked="" type="checkbox"/>	Feb	<input checked="" type="checkbox"/>	Mar	<input checked="" type="checkbox"/>	Apr	<input checked="" type="checkbox"/>	May	<input checked="" type="checkbox"/>	Jun	<input checked="" type="checkbox"/>	Jul	<input checked="" type="checkbox"/>	Aug	<input checked="" type="checkbox"/>	Sep	<input checked="" type="checkbox"/>	Oct	<input checked="" type="checkbox"/>	Nov	<input checked="" type="checkbox"/>	Dec	<input checked="" type="checkbox"/>
Venting	<input checked="" type="checkbox"/>	Jan	<input checked="" type="checkbox"/>	Feb	<input checked="" type="checkbox"/>	Mar	<input checked="" type="checkbox"/>	Apr	<input checked="" type="checkbox"/>	May	<input checked="" type="checkbox"/>	Jun	<input checked="" type="checkbox"/>	Jul	<input checked="" type="checkbox"/>	Aug	<input checked="" type="checkbox"/>	Sep	<input checked="" type="checkbox"/>	Oct	<input checked="" type="checkbox"/>	Nov	<input checked="" type="checkbox"/>	Dec	<input checked="" type="checkbox"/>

Thermostat Schedule: HERS 2006 Reference

Schedule Type		Hours											
		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68
Heating (WEH)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: 184 SW Lucy Court
 , FL,

PERMIT #:

INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	N1106.AB.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	N1106.AB.1.2.2	Penetrations/openings > 1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	N1106.AB.1.2.3	Between walls & ceilings; penetrations of ceiling plane to top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	N1106.AB.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	N1106.AB.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N112.ABC.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	N1112.AB.2.3	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%. Heat pump pool heaters shall have a minimum COP of 4.0.	
Shower heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	N1104.AB.1 N1102.B.1.1	Ceilings-Min. R-19. Common walls-frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 82

The lower the EnergyPerformance Index, the more efficient the home.

184 SW Lucy Court, , FL,

1. New construction or existing	Addition	9. Wall Types	Insulation	Area
2. Single family or multiple family	Single-family	a. Frame - Wood, Exterior	R=13.0	236.00 ft ²
3. Number of units, if multiple family	1	b. N/A	R=	ft ²
4. Number of Bedrooms	3	c. N/A	R=	ft ²
5. Is this a worst case?	No	d. N/A	R=	ft ²
6. Conditioned floor area (ft ²)	452	10. Ceiling Types	Insulation	Area
7. Windows**	Description	a. Under Attic (Vented)	R=30.0	452.00 ft ²
a. U-Factor:	Dbl, default	b. N/A	R=	ft ²
SHGC:	Clear, default	c. N/A	R=	ft ²
b. U-Factor:	N/A	11. Ducts		
SHGC:		a. Sup: Interior Ret: Interior AH: Exterior Sup. R= 6, 1 ft ²		
c. U-Factor:	N/A	12. Cooling systems -		
SHGC:		a. PTAC and Room Unit	Cap: 9.9 kBtu/hr	
d. U-Factor:	N/A		EER: 13	
SHGC:		13. Heating systems -		
e. U-Factor:	N/A	a. Window/Wall Heat Pump	Cap: 8.2 kBtu/hr	
SHGC:			HSPF: 7.7	
8. Floor Types	Insulation	14. Hot water systems		
a. Slab-On-Grade Edge Insulation	R=0.0	a. Electric	Cap: 40 gallons	
b. N/A	R=	b. Conservation features	EF: 0.92	
c. N/A	R=	None		
		15. Credits		None

I certify that this home has complied with the Florida Energy Efficiency Code for Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____



*Note: The home's estimated Energy Performance Index is only available through the EnergyGauge USA - FlaRes2008 computer program. This is not a Building Energy Rating. If your Index is below 100, your home may qualify for incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at (321) 638-1492 or see the Energy Gauge web site at energygauge.com for information and a list of certified Raters. For information about Florida's Energy Efficiency Code for Building Construction, contact the Department of Community Affairs at (850) 487-1824.

**Label required by Section 13-104.4.5 of the Florida Building Code, Building, or Section B2.1.1 of Appendix G of the Florida Building Code, Residential, if not DEFAULT.

Residential System Sizing Calculation

Summary

Robert Reed
184 SW Lucy Court
, FL

Project Title:
812053RobertReedMANJ

Class 3 Rating
Registration No. 0
Climate: North

7/20/2009

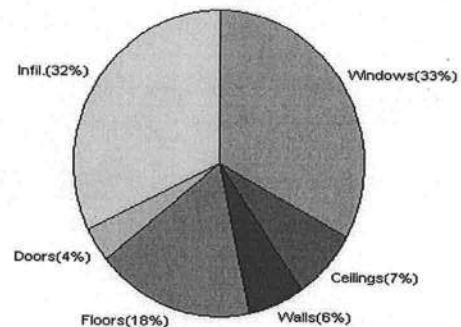
1/26/2008

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation			7276	Btuh	
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	110.0	8000	Sensible (SHR = 0.75)	116.4	6000
Heat Pump + Auxiliary(0.0kW)	110.0	8000	Latent	133.2	2000
			Total (Electric Heat Pump)	120.2	8000

WINTER CALCULATIONS

Winter Heating Load (for 452 sqft)

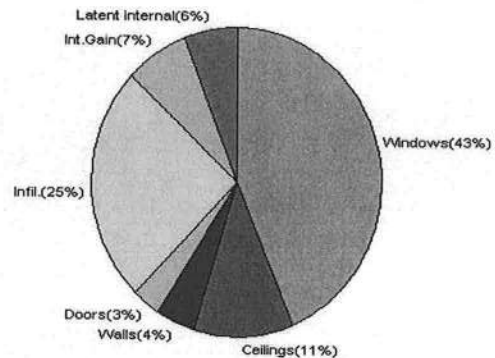
Load component		Load	
Window total	75 sqft	2414	Btuh
Wall total	141 sqft	463	Btuh
Door total	20 sqft	259	Btuh
Ceiling total	452 sqft	533	Btuh
Floor total	30 sqft	1288	Btuh
Infiltration	57 cfm	2319	Btuh
Duct loss		0	Btuh
Subtotal		7276	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		7276	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 452 sqft)

Load component		Load	
Window total	75 sqft	2893	Btuh
Wall total	141 sqft	294	Btuh
Door total	20 sqft	196	Btuh
Ceiling total	452 sqft	749	Btuh
Floor total		0	Btuh
Infiltration	30 cfm	561	Btuh
Internal gain		460	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		5153	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		1101	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		400	Btuh
Total latent gain		1501	Btuh
TOTAL HEAT GAIN		6654	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY:

DATE: 7/20/09

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Robert Reed
184 SW Lucy Court
, FL

Project Title:
812053RobertReedMANJ

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

7/20/2009

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	N	60.0	32.2	1931 Btuh
2	2, Clear, Metal, 0.87	E	15.0	32.2	483 Btuh
	Window Total		75(sqft)		2414 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	141	3.3	463 Btuh
	Wall Total		141		463 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		20		259Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Othe)	30.0	452	1.2	533 Btuh
	Ceiling Total		452		533Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	29.5 ft(p)	43.7	1288 Btuh
	Floor Total		30		1288 Btuh
Zone Envelope Subtotal:					4957 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.95	3616	57.3	2319 Btuh
Ductload	Average sealed, R6.0, Supply(No ducts), Return(NoDucts)(DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				7276 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	7276 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	7276 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Robert Reed
184 SW Lucy Court
, FL

Project Title:
812053RobertReedMANJ

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

7/20/2009

Component Loads for Zone #1: Main

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, 0.87, None,N,N	N	1.5ft	5.5ft	60.0	60.0	0.0	29	34	1738 Btuh
2	2, Clear, 0.87, None,N,N	E	1.5ft	6ft.	15.0	0.7	14.3	29	80	1156 Btuh
	Window Total				75 (sqft)					2893 Btuh
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load
	Frame - Wood - Ext		13.0/0.09		141.0			2.1		294 Btuh
	Wall Total				141 (sqft)					294 Btuh
Doors	Type				Area (sqft)			HTM		Load
	Insulated - Exterior				20.0			9.8		196 Btuh
	Door Total				20 (sqft)					196 Btuh
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load
	Vented Attic/DarkOther		30.0		452.0			1.7		749 Btuh
	Ceiling Total				452 (sqft)					749 Btuh
Floors	Type		R-Value		Size			HTM		Load
	Slab On Grade		0.0		30 (ft(p))			0.0		0 Btuh
	Floor Total				29.5 (sqft)					0 Btuh
	Zone Envelope Subtotal:									4132 Btuh
Infiltration	Type		ACH		Volume(cuft)			CFM=		Load
	SensibleNatural		0.50		3616			30.1		561 Btuh
Internal gain			Occupants		Btuh/occupant			Appliance		Load
			2		X 230 +			0		460 Btuh
Duct load	Average sealed, R6.0, Supply(No ducts), Return(NoDucts) DGM = 0.00									0.0 Btuh
	Sensible Zone Load									5153 Btuh

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Robert Reed
184 SW Lucy Court
, FL

Project Title:
812053RobertReedMANJ

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

7/20/2009

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	N	60.0		32.2	1931 Btuh
2	2, Clear, Metal, 0.87	E	15.0		32.2	483 Btuh
	Window Total		75(sqft)			2414 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	141		3.3	463 Btuh
	Wall Total		141			463 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		20		12.9	259 Btuh
	Door Total		20			259Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Othe)	30.0	452		1.2	533 Btuh
	Ceiling Total		452			533Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	29.5 ft(p)		43.7	1288 Btuh
	Floor Total		30			1288 Btuh
	Zone Envelope Subtotal:					4957 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=		
	Natural	0.95	3616	57.3		2319 Btuh
Ductload	Average sealed, R6.0, Supply(No ducts), Return(NoDucts)(DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					7276 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	7276 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	7276 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Robert Reed
184 SW Lucy Court
, FL

Project Title:
812053RobertReedMANJ

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

7/20/2009

Component Loads for Whole House

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, 0.87, None,N,N	N	1.5ft	5.5ft	60.0	60.0	0.0	29	34	1738 Btuh
2	2, Clear, 0.87, None,N,N	E	1.5ft	6ft.	15.0	0.7	14.3	29	80	1156 Btuh
	Window Total				75 (sqft)					2893 Btuh
Walls	Type		R-Value/U-Value		Area(sqft)		HTM		Load	
1	Frame - Wood - Ext		13.0/0.09		141.0		2.1		294 Btuh	
	Wall Total				141 (sqft)				294 Btuh	
Doors	Type				Area (sqft)		HTM		Load	
1	Insulated - Exterior				20.0		9.8		196 Btuh	
	Door Total				20 (sqft)				196 Btuh	
Ceilings	Type/Color/Surface		R-Value		Area(sqft)		HTM		Load	
1	Vented Attic/DarkOther		30.0		452.0		1.7		749 Btuh	
	Ceiling Total				452 (sqft)				749 Btuh	
Floors	Type		R-Value		Size		HTM		Load	
1	Slab On Grade		0.0		30 (ft(p))		0.0		0 Btuh	
	Floor Total				29.5 (sqft)				0 Btuh	
	Zone Envelope Subtotal:									4132 Btuh
Infiltration	Type		ACH		Volume(cuft)		CFM=		Load	
	SensibleNatural		0.50		3616		30.1		561 Btuh	
Internal gain			Occupants		Btuh/occupant		Appliance		Load	
			2		X 230 +		0		460 Btuh	
Duct load	Average sealed, R6.0, Supply(No ducts), Return(NoDucts) DGM = 0.00								0.0 Btuh	
	Sensible Zone Load									5153 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Robert Reed
184 SW Lucy Court
, FL

Project Title:
812053RobertReedMANJ

Class 3 Rating
Registration No. 0
Climate: North

7/20/2009

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	5153 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	5153 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	5153 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	1101 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	1501 Btuh
	TOTAL GAIN	6654 Btuh

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(U - Window U-Factor or 'DEF' for default)

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



For Florida residences only

Residential Window Diversity

MidSummer

Robert Reed
184 SW Lucy Court
, FL

Project Title:
812053RobertReedMANJ

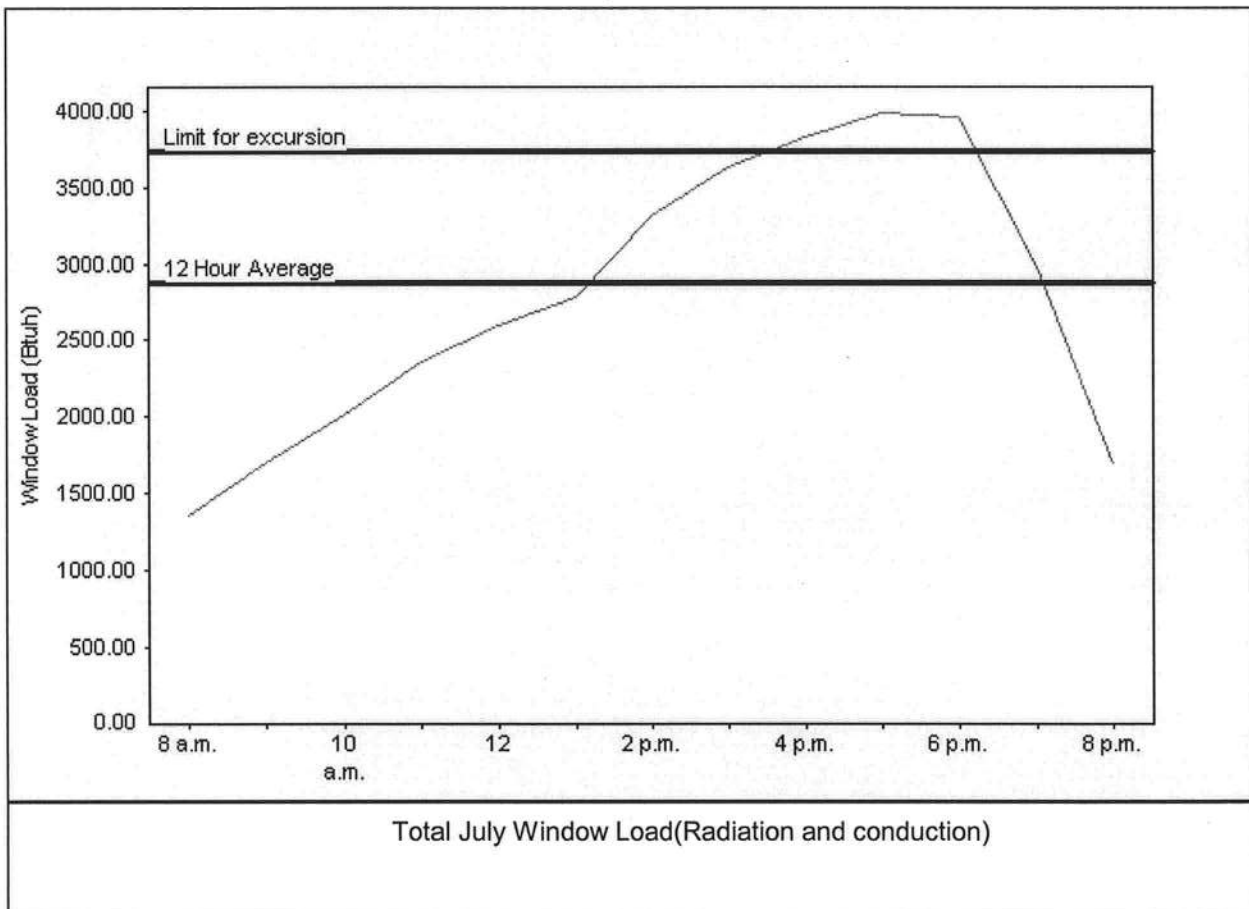
Class 3 Rating
Registration No. 0
Climate: North

7/20/2009

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	2876 Btuh
Summer setpoint	75 F	Peak window load for July	3982 Btuh
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	3738 Btuh
Latitude	29 North	Window excursion (July)	243 Btuh

WINDOW Average and Peak Loads



Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volume devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be required or some rooms may require zone control.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY:

DATE:

EnergyGauge® FLR2PB v4.1



Columbia County Property Appraiser

DB Last Updated: 4/27/2009

2009 Preliminary Values

Tax Record

Property Card

Interactive GIS Map

Print

Parcel: 12-4S-16-02939-114 HX

Owner & Property Info

Owner's Name	REED ROBERT E & KELLY K		
Site Address	LUCY		
Mailing Address	184 SW LUCY CT LAKE CITY, FL 32025		
Use Desc. (code)	SINGLE FAM (000100)		
Neighborhood	012416.00	Tax District	2
UD Codes	MKTA06	Market Area	06
Total Land Area	0.500 ACRES		
Description	LOT 14 CREEKSIDE S/D. ORB WD 998-315, 1042-2106 QC 1048-1059, POA 1052-537. WD 1130-273		

<< Prev

Search Result: 2 of 2

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (1)	\$30,000.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (1)	\$116,371.00
XFOB Value	cnt: (1)	\$5,449.00
Total Appraised Value		\$151,820.00

Just Value	\$151,820.00
Class Value	\$0.00
Assessed Value	\$151,820.00
Exemptions	(code: HX) \$50,000.00
Total Taxable Value	County: \$101,820.00 City: \$101,820.00 Other: \$101,820.00 School: \$126,820.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
8/31/2007	1130/273	WD	I	Q		\$215,000.00
6/8/2005	1048/1059	QC	V	U	01	\$27,500.00
3/30/2005	1042/2106	WD	V	Q		\$27,500.00
10/17/2003	998/315	WD	V	Q		\$48,800.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	2006	Common BRK (19)	1792	2396	\$116,371.00
Note: All S.F. calculations are based on exterior building dimensions.						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0166	CONC,PAVMT	2006	\$5,449.00	0002564.000	0 x 0 x 0	(000.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
----------	------	-------	-------------	----------	-----------



Columbia County Property Appraiser

J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

PARCEL: 12-4S-16-02939-114 HX - SINGLE FAM (000100)

Name:	REED ROBERT E & KELLY K	LandVal	\$30,000.00
		BldgVal	\$116,371.00
Site:	LUCY	ApprVal	\$151,820.00
Mail:	184 SW LUCY CT	JustVal	\$151,820.00
	LAKE CITY, FL 32025	Assd	\$151,820.00
Sales		Exmpt	\$50,000.00
Info		County:	\$101,820.00 City:
			\$101,820.00
		Other:	\$101,820.00 School:
			\$126,820.00
		Taxable	

0 180 360 540 ft



This information, GIS Map Updated: 4/27/2009, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, its use, or its interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.



Columbia County Property Appraiser

J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

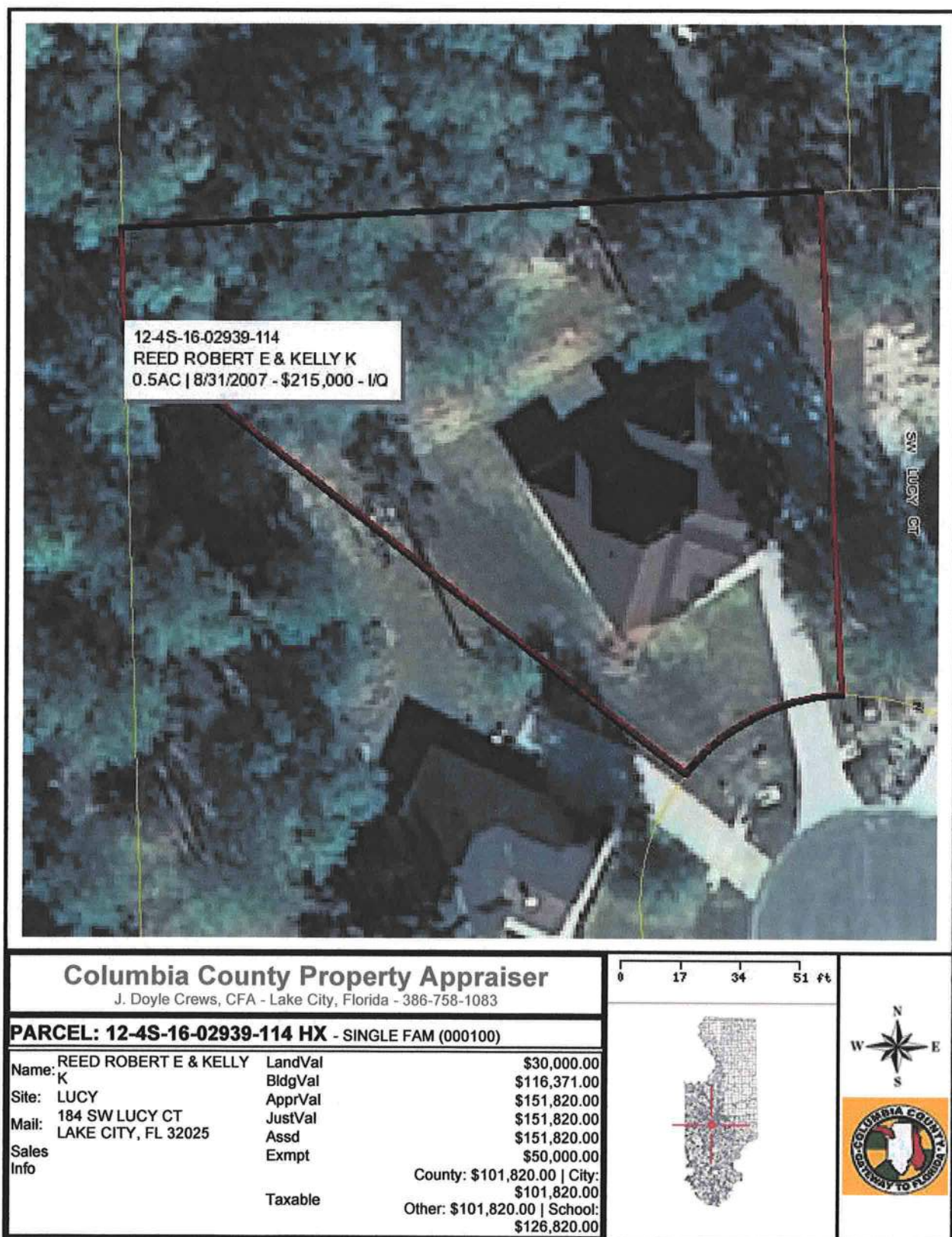
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0 26 52 78 ft



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NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 12-45-16-02939-114

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

1. Description of property (legal description): LOT 14 CREEKSIDE S/D
a) Street (job) Address: 184 SW LUCY CT LAKE CITY, FL 32025
2. General description of improvements: 452 SF ADDITION ON SFD
3. Owner Information
a) Name and address: ROBERT AND KELLY REED 184 SW LUCY CT LAKE CITY, FL 32025
b) Name and address of fee simple titleholder (if other than owner) _____
c) Interest in property _____
4. Contractor Information
a) Name and address: OWNER
b) Telephone No.: _____ Fax No. (Opt.) _____
5. Surety Information
a) Name and address: _____
b) Amount of Bond: N/A
c) Telephone No.: _____ Fax No. (Opt.) _____
6. Lender
a) Name and address: _____
b) Phone No.: _____
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
a) Name and address: _____
b) Telephone No.: _____ Fax No. (Opt.) _____
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b) Florida Statutes:
a) Name and address: _____
b) Telephone No.: _____ Fax No. (Opt.) _____
9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified): _____

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10.

Signature of Owner or Owner's Authorized Office/Director/Partner/Manager

Robert Reed
Print NameThe foregoing instrument was acknowledged before me, a Florida Notary, this 30th day of July, 2009, by:

Robert Reed as Owner (type of authority, e.g. officer, trustee, attorney
fact) for Robert Reed (name of party on behalf of whom instrument was executed).

Personally Known _____ OR Produced Identification ☒ Type DRIVER LICENSENotary Signature L. Hodson Notary Stamp or Seal:

-AND-

11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief

Signature of Natural Person Signing (in line #10 above.)



COLUMBIA COUNTY BUILDING DEPARTMENT RESIDENTIAL CHECK LIST REQUIRMENTS

MINIMUM PLAN REQUIREMENTS FOR THE FLORIDA BUILDING CODE RESIDENTIAL 2007 ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current 2007 FLORIDA BUILDING CODES RESIDENTIAL. ALL PLANS OR DRAWINGS SHALL PROVIDE CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FIGURE R301.2(4) of the FLORIDA BUILDING CODES RESIDENTIAL (Florida Wind speed map) SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ----- 100 MPH
ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE -----110 MPH
NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

**GENERAL REQUIREMENTS:
APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL**

**Items to Include-
Each Box shall be
Circled as
Applicable**

		Yes	No	N/A
1	Two (2) complete sets of plans containing the following:	<input checked="" type="checkbox"/>		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void	<input checked="" type="checkbox"/>		
3	Condition space (Sq. Ft.) <i>452</i> <i>ADDITION</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Total (Sq. Ft.) under roof <i>452 ADDITION</i>			

EXISTING SFD 1792 SF + 452 = 2244 SF TOTAL AREA

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL R101.2.1

Site Plan information including:

4	Dimensions of lot or parcel of land	<input checked="" type="checkbox"/>		
5	Dimensions of all building set backs	<input checked="" type="checkbox"/>		
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.	<input checked="" type="checkbox"/>		
7	Provide a full legal description of property.	<input checked="" type="checkbox"/>		

Wind-load Engineering Summary, calculations and any details required

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
8	Plans or specifications must show compliance with FBCR Chapter 3	IIIII YES	IIII NO	IIIII N/A
9	Basic wind speed (3-second gust), miles per hour	✓		
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	✓		
11	Wind importance factor and nature of occupancy	✓		
12	The applicable internal pressure coefficient, Components and Cladding	✓		
13	The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component, cladding materials not specifiically designed by the registered design professional.	✓		

Elevations Drawing including:

14	All side views of the structure	✓		
15	Roof pitch	✓		
16	Overhang dimensions and detail with attic ventilation	✓		
17	Location, size and height above roof of chimneys			✓
18	Location and size of skylights with Florida Product Approval			✓
18	Number of stories	1		
20A	Building height from the established grade to the roofs highest peak	12		

Floor Plan including:

20	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	✓		
21	Raised floor surfaces located more than 30 inches above the floor or grade			✓
22	All exterior and interior shear walls indicated	✓		
23	Shear wall opening shown (Windows, Doors and Garage doors)	✓		
24	Emergency escape and rescue opening shown in each bedroom (net clear opening shown)			✓
25	Safety glazing of glass where needed	✓		
26	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FBCR)			✓
27	Stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails (see FBCR SECTION 311)			✓
28	Identify accessibility of bathroom (see FBCR SECTION 322)			✓

All materials placed within opening or onto/into exterior walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plan (see Florida product approval form)

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
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FBCR 403: Foundation Plans

		YES	NO	N/A
29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	✓		
30	All posts and/or column footing including size and reinforcing			✓
31	Any special support required by soil analysis such as piling.		✓	
32	Assumed load-bearing value of soil <u>1000</u> Pound Per Square Foot			
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type)	✓		

FBCR 506: CONCRETE SLAB ON GRADE

34	Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)	✓		
35	Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports	✓		

FBCR 320: PROTECTION AGAINST TERMITES

36	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or submit other approved termite protection methods. Protection shall be provided by registered termiticides	✓		
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FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)

37	Show all materials making up walls, wall height, and Block size, mortar type	✓		
38	Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement			✓

Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect

Floor Framing System: First and/or second story

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer			✓
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers			✓
41	Girder type, size and spacing to load bearing walls, stem wall and/or piers			✓
42	Attachment of joist to girder			✓
43	Wind load requirements where applicable	✓		
44	Show required under-floor crawl space			✓
45	Show required amount of ventilation opening for under-floor spaces			✓
46	Show required covering of ventilation opening			✓
47	Show the required access opening to access to under-floor spaces			✓
	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges &			✓

48	intermediate of the areas structural panel sheathing	✓		
49	Show Draftstopping, Fire caulking and Fire blocking	✓		
50	Show fireproofing requirements for garages attached to living spaces, per FBCR section 309			✓
51	Provide live and dead load rating of floor framing systems (psf).			✓

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	✓		
53	Fastener schedule for structural members per table FBCR 602.3 are to be shown	✓		
54	Show Wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	✓		
55	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	✓		
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBCR Table 502.5 (1)	✓		
57	Indicate where pressure treated wood will be placed	✓		
58	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	✓		
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	✓		

FBCR :ROOF SYSTEMS:

60	Truss design drawing shall meet section FBCR 802.10 Wood trusses			✓
61	Include a layout and truss details, signed and sealed by Florida Professional Engineer			✓
62	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	✓		
63	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details			✓
64	Provide dead load rating of trusses			✓

FBCR 802:Conventional Roof Framing Layout

65	Rafter and ridge beams sizes, span, species and spacing	✓		
66	Connectors to wall assemblies' include assemblies' resistance to uplift rating <i>Needed</i>	✓		
67	Valley framing and support details <i>Called P.E. For Nailing of connector</i>			✓
68	Provide dead load rating of rafter system	✓		

FBCR Table 602,3(2) & FBCR 803 ROOF SHEATHING

69	Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness	✓		
70	Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas	✓		

FBCR ROOF ASSEMBLIES FRC Chapter 9

71	Include all materials which will make up the roof assemblies covering	<input checked="" type="checkbox"/>		
72	Submit Florida Product Approval numbers for each component of the roof assemblies covering	<input checked="" type="checkbox"/>		

FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter 11 Residential buildings compliance methods. *Two of the required forms are to be submitted, showing dimensions condition area equal to the total condition living space area*

See N1100.0.1 Need Energy code method A or B

GENERAL REQUIREMENTS: APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
73	Show the insulation R value for the following areas of the structure			
74	Attic space			
75	Exterior wall cavity			
76	Crawl space			

HVAC information

77	Submit two copies of a Manual J sizing equipment or equivalent computation study	<input checked="" type="checkbox"/>		
78	Exhaust fans locations in bathrooms	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
79	Show clothes dryer route and total run of exhaust duct			<input checked="" type="checkbox"/>

Plumbing Fixture layout shown

EXISTING

80	All fixtures waste water lines shall be shown on the foundation plan			<input checked="" type="checkbox"/>
81	Show the location of water heater			<input checked="" type="checkbox"/>

Private Potable Water

EXISTING

82	Pump motor horse power			<input checked="" type="checkbox"/>
83	Reservoir pressure tank gallon capacity			<input checked="" type="checkbox"/>
84	Rating of cycle stop valve if used			<input checked="" type="checkbox"/>

Electrical layout shown including

85	Switches, outlets, receptacles, lighting and all required GFCI outlets identified	<input checked="" type="checkbox"/>		
86	Ceiling fans	<input checked="" type="checkbox"/>		
87	Smoke detectors & Carbon dioxide detectors			<input checked="" type="checkbox"/>
88	Service panel, sub-panel, location(s) and total ampere ratings			<input checked="" type="checkbox"/>
89	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type.			<input checked="" type="checkbox"/>

90	Appliances and HVAC equipment and disconnects			✓
91	Arc Fault Circuits (AFCI) in bedrooms			✓

Disclosure Statement for Owner Builders *If you as the applicant will be acting as an owner builder under section 489.103(7) of the Florida Statutes, submit the required owner builder disclosure statement form.*

Notice Of Commencement

A notice of commencement form **recorded** in the Columbia County Clerk Office is required to be filed with the building department Before Any Inspections can be preformed.

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable
---	--	--

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	Building Permit Application A current Building Permit Application form is to be completed and submitted for all residential projects	✓		
93	Parcel Number The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested	✓		
94	Environmental Health Permit or Sewer Tap Approval A copy of a approved Columbia County Environmental Health (386) 758-1058			
95	City of Lake City A permit showing an approved waste water sewer tap			✓
96	Toilet facilities shall be provided for all construction sites	✓		
97	Town of Fort White (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.			✓
98	Flood Information: All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations			✓
99	CERTIFIED FINISHED FLOOR ELEVATIONS will be required on any project where the base flood elevation (100 year flood) has been established			✓
100	A development permit will also be required. Development permit cost is \$50.00			✓
101	Driveway Connection: If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.			✓
102	911 Address: If the project is located in an area where a 911 address has not been issued, then application for a 911 address must be applied for and received through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125			✓

Section R101.2.1 of the Florida Building Code Residential:

The provisions of Chapter 1, Florida Building Code, Building shall govern the administration and enforcement of the Florida Building Code, Residential.

Section 105 of the Florida Building Code defines the:

Time limitation of application.

An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

Single-family residential dwelling.

Section 105.3.4 A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the application or unless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.

Permit intent.

Section 105.4.1: A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance of a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

If work has commenced.

Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.

New Permit.

Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became null and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date of issuance of the new permit.

Work Shall Be:

Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.

The Fee:

Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.

When the submitted application is approved for permitting the applicant will be notified by phone as to the date and time a building permit will be prepared and issued by the Columbia County Building & Zoning Department

PRODUCT APPROVAL SPECIFICATION SHEET

Location: _____

Project Name: _____

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are **applying for a building permit on or after April 1, 2004**. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL	<i>OSB</i>		
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS	<i>TORCH-Down</i>		
1. Asphalt Shingles			
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing	<i>TAMCO</i>		
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion	N/A		
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight	N/A		
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Contractor or Contractor's Authorized Agent Signature

Print Name

Date


[ESPAÑOL](#)

Distributor / Dealer Locator:

Enter Zip



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[LAMARITE®](#)
[METALWORKS®](#)
[HERITAGE®](#)
[AWAPLAN](#)
[EVERGRAIN®](#)
[ELEMENTS®](#)
[TAM-RAIL®](#)
[Residential Roofing ▶](#)
[Commercial Roofing ▶](#)
[Cements & Coatings ▶](#)
[Decking & Railing ▶](#)
[Waterproofing ▶](#)
[Driveway Products ▶](#)
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Awaplan Heat Welding

Note: Reproduction of these colors is as accurate as technology will permit.

[Read More](#)

Features	Specifications	Data Sheets	Certifications	MSDS	Photos
Literature & Samples	Limited Warranty				

- Torch applied, Hot asphalt, or Cold-applied
- 3/4 Square Coverage Per Roll

Awaplan Heat Welding

Modified asphalt, granule-surfaced roll roofing.

Awaplan Heat Welding is a premium grade product which features a 250g/m² polyester mat saturated with asphalt and coated with SBS-modified asphalt. Awaplan Heat Welding exhibit tremendous elasticity and strength with superior resistance to thermal shock and punctures. Suitable for flashing as well as field roofing.



Complete your project by browsing the related products and accessories below.



Awaplan Versa-Smooth



856 Premium SBS Adhesive



Q-20 Premium SBS Flashing Cement Tube



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Awaplan Test Scrub

Note: Reproduction of these colors is as accurate as technology will permit.

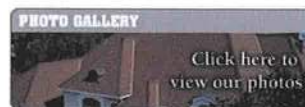
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Awaplan Heat Welding

Modified asphalt, granule-surfaced roll roofing.

Awaplan Heat Welding is a premium grade product which features a 250g/m² polyester mat saturated with asphalt and coated with SBS-modified asphalt. Awaplan Heat Welding exhibit tremendous elasticity and strength with superior resistance to thermal shock and punctures. Suitable for flashing as well as field roofing.

Features	Specifications	Data Sheets	Certifications	MSDS	Photos
Literature & Samples	Limited Warranty				
<p>Applicable standards UL Classified Membrane ASTM D 6164, Type II</p> <p>Additional certifications Florida Building Code Approved Miami-Dade County Approved</p>					



Complete your project by browsing the related products and accessories below.



Awaplan Versa-Smooth



856 Premium SBS Adhesive



Q-20 Premium SBS Flashing Cement Tube



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- ▶ EMERGENCY MANAGEMENT
- ▶ OFFICE OF THE SECRETARY



Product Approval

USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > **Application Detail**

FL #	FL735-R3														
Application Type	Revision														
Code Version	2007														
Application Status	Approved														
Comments															
Archived	<input checked="" type="checkbox"/>														
Product Manufacturer	TAMKO Building Products, Inc.														
Address/Phone/Email	PO Box 1404 Joplin, MO 64802 (800) 641-4691 Ext 2394 fred_oconnor@tamko.com														
Authorized Signature	Kerri Eden kerri_eden@tamko.com														
Technical Representative	Kerri Eden														
Address/Phone/Email	PO Box 1404 Joplin, MO 64802 (417) 624-6644 Ext 2305 kerri_eden@tamko.com														
Quality Assurance Representative															
Address/Phone/Email															
Category	Roofing														
Subcategory	Modified Bitumen Roof System														
Compliance Method	Certification Mark or Listing														
Certification Agency	Miami-Dade BCCO - CER														
Validated By	Robert J. M. Nieminen, PE														
	<input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received														
Referenced Standard and Year (of Standard)	<table> <thead> <tr> <th>Standard</th><th>Year</th></tr> </thead> <tbody> <tr> <td>ASTM D 2178</td><td>1997</td></tr> <tr> <td>ASTM D 4601</td><td>1998</td></tr> <tr> <td>ASTM D 4897</td><td>2001</td></tr> <tr> <td>ASTM D 6163</td><td>2000</td></tr> <tr> <td>ASTM D 6164</td><td>2000</td></tr> <tr> <td>ASTM D2626</td><td>2004</td></tr> </tbody> </table>	Standard	Year	ASTM D 2178	1997	ASTM D 4601	1998	ASTM D 4897	2001	ASTM D 6163	2000	ASTM D 6164	2000	ASTM D2626	2004
Standard	Year														
ASTM D 2178	1997														
ASTM D 4601	1998														
ASTM D 4897	2001														
ASTM D 6163	2000														
ASTM D 6164	2000														
ASTM D2626	2004														

Equivalence of Product Standards

Certified By

Product Approval Method

Method 1 Option A

Date Submitted

08/27/2008

Date Validated

09/08/2008

Date Pending FBC Approval

09/15/2008

Date Approved

10/14/2008

Summary of Products

FL #	Model, Number or Name	Description
735.1	Awaflex	A polyester reinforced SBS modified bitumen membrane surfaced with granules.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +0/-622.5 Other: Acceptable for use on low slope roofs.		Certification Agency Certificate FL735_R3_C_CAC_07073002.pdf FL735_R3_C_CAC_07073003.pdf FL735_R3_C_CAC_08051208.pdf FL735_R3_C_CAC_08051209.pdf FL735_R3_C_CAC_08051210.pdf FL735_R3_C_CAC_08051211.pdf FL735_R3_C_CAC_08051212.pdf Quality Assurance Contract Expiration Date 10/23/2011 Installation Instructions FL735_R3_II_07073002.pdf FL735_R3_II_07073003.pdf FL735_R3_II_08051208.pdf FL735_R3_II_08051209.pdf FL735_R3_II_08051210.pdf FL735_R3_II_08051211.pdf FL735_R3_II_08051212.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
735.2	Awaflex FR	A polyester reinforced SBS modified bitumen membrane surfaced with granules.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +0/-622.5 Other: Acceptable for use on low slope roofs.		Certification Agency Certificate FL735_R3_C_CAC_07073002.pdf FL735_R3_C_CAC_07073003.pdf FL735_R3_C_CAC_08051208.pdf FL735_R3_C_CAC_08051209.pdf FL735_R3_C_CAC_08051210.pdf FL735_R3_C_CAC_08051211.pdf FL735_R3_C_CAC_08051212.pdf Quality Assurance Contract Expiration Date 10/23/2011 Installation Instructions FL735_R3_II_07073002.pdf FL735_R3_II_07073003.pdf FL735_R3_II_08051208.pdf FL735_R3_II_08051209.pdf FL735_R3_II_08051210.pdf FL735_R3_II_08051211.pdf FL735_R3_II_08051212.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
735.3	Awaplan 170	A polyester reinforced SBS modified bitumen membrane surfaced with granules.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +0/-622.5 Other: Acceptable for use on low slope roofs.		Certification Agency Certificate FL735_R3_C_CAC_07073002.pdf FL735_R3_C_CAC_07073003.pdf FL735_R3_C_CAC_08051208.pdf FL735_R3_C_CAC_08051209.pdf FL735_R3_C_CAC_08051210.pdf FL735_R3_C_CAC_08051211.pdf FL735_R3_C_CAC_08051212.pdf Quality Assurance Contract Expiration Date 10/23/2011

		Installation Instructions FL735 R3 II 07073002.pdf FL735 R3 II 07073003.pdf FL735 R3 II 08051208.pdf FL735 R3 II 08051209.pdf FL735 R3 II 08051210.pdf FL735 R3 II 08051211.pdf FL735 R3 II 08051212.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
735.4	Awaplan 170 FR	A polyester reinforced SBS modified bitumen membrane surfaced with granules.
	Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +0/-622.5 Other: Acceptable for use on low slope roofs.	Certification Agency Certificate FL735 R3 C CAC 07073002.pdf FL735 R3 C CAC 07073003.pdf FL735 R3 C CAC 08051208.pdf FL735 R3 C CAC 08051209.pdf FL735 R3 C CAC 08051210.pdf FL735 R3 C CAC 08051211.pdf FL735 R3 C CAC 08051212.pdf Quality Assurance Contract Expiration Date 10/23/2011 Installation Instructions FL735 R3 II 07073002.pdf FL735 R3 II 07073003.pdf FL735 R3 II 08051208.pdf FL735 R3 II 08051209.pdf FL735 R3 II 08051210.pdf FL735 R3 II 08051211.pdf FL735 R3 II 08051212.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
735.5	Awaplan Heat Welding	A polyester reinforced SBS modified bitumen membrane surfaced with granules.
	Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +0/-322.5 Other: Acceptable for use on low slope roofs.	Certification Agency Certificate FL735 R3 C CAC 07073002.pdf FL735 R3 C CAC 07073003.pdf FL735 R3 C CAC 08051208.pdf FL735 R3 C CAC 08051209.pdf FL735 R3 C CAC 08051210.pdf FL735 R3 C CAC 08051211.pdf FL735 R3 C CAC 08051212.pdf Quality Assurance Contract Expiration Date 10/23/2011 Installation Instructions FL735 R3 II 07073002.pdf FL735 R3 II 07073003.pdf FL735 R3 II 08051208.pdf FL735 R3 II 08051209.pdf FL735 R3 II 08051210.pdf FL735 R3 II 08051211.pdf FL735 R3 II 08051212.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
735.6	Awaplan Premium	A polyester reinforced SBS modified bitumen membrane surfaced with granules.
	Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +0/-622.5 Other: Acceptable for use on low slope roofs.	Certification Agency Certificate FL735 R3 C CAC 07073002.pdf FL735 R3 C CAC 07073003.pdf FL735 R3 C CAC 08051208.pdf FL735 R3 C CAC 08051209.pdf FL735 R3 C CAC 08051210.pdf FL735 R3 C CAC 08051211.pdf FL735 R3 C CAC 08051212.pdf Quality Assurance Contract Expiration Date 10/23/2011 Installation Instructions FL735 R3 II 07073002.pdf FL735 R3 II 07073003.pdf FL735 R3 II 08051208.pdf FL735 R3 II 08051209.pdf FL735 R3 II 08051210.pdf FL735 R3 II 08051211.pdf FL735 R3 II 08051212.pdf Verified By: Miami-Dade BCCO - CER

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735.7	Awaplan Premium FR	A polyester reinforced SBS modified bitumen membrane surfaced with granules.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +0/-622.5 Other: Acceptable for use on low slope roofs.		Certification Agency Certificate FL735 R3 C CAC 07073002.pdf FL735 R3 C CAC 07073003.pdf FL735 R3 C CAC 08051208.pdf FL735 R3 C CAC 08051209.pdf FL735 R3 C CAC 08051210.pdf FL735 R3 C CAC 08051211.pdf FL735 R3 C CAC 08051212.pdf Quality Assurance Contract Expiration Date 10/23/2011 Installation Instructions FL735 R3 II 07073002.pdf FL735 R3 II 07073003.pdf FL735 R3 II 08051208.pdf FL735 R3 II 08051209.pdf FL735 R3 II 08051210.pdf FL735 R3 II 08051211.pdf FL735 R3 II 08051212.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
735.8	Awaplan Versa-Smooth	A polyester reinforced SBS modified bitumen membrane.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +0/-622.5 Other: Acceptable for use on low slope roofs.		Certification Agency Certificate FL735 R3 C CAC 07073002.pdf FL735 R3 C CAC 07073003.pdf FL735 R3 C CAC 08051208.pdf FL735 R3 C CAC 08051209.pdf FL735 R3 C CAC 08051210.pdf FL735 R3 C CAC 08051211.pdf FL735 R3 C CAC 08051212.pdf Quality Assurance Contract Expiration Date 10/23/2011 Installation Instructions FL735 R3 II 07073002.pdf FL735 R3 II 07073003.pdf FL735 R3 II 08051208.pdf FL735 R3 II 08051209.pdf FL735 R3 II 08051210.pdf FL735 R3 II 08051211.pdf FL735 R3 II 08051212.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
735.9	Awaplan Versaflex	A polyester reinforced SBS modified bitumen membrane.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +0/-622.5 Other: Acceptable for use on low slope roofs.		Certification Agency Certificate FL735 R3 C CAC 07073002.pdf FL735 R3 C CAC 07073003.pdf FL735 R3 C CAC 08051208.pdf FL735 R3 C CAC 08051209.pdf FL735 R3 C CAC 08051210.pdf FL735 R3 C CAC 08051211.pdf FL735 R3 C CAC 08051212.pdf Quality Assurance Contract Expiration Date 10/23/2011 Installation Instructions FL735 R3 II 07073002.pdf FL735 R3 II 07073003.pdf FL735 R3 II 08051208.pdf FL735 R3 II 08051209.pdf FL735 R3 II 08051210.pdf FL735 R3 II 08051211.pdf FL735 R3 II 08051212.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
735.10	Base-N-Ply	Asphalt impregnated and coated glass fiber base sheet.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +0/-622.5 Other: Acceptable for use on low slope roofs.		Certification Agency Certificate FL735 R3 C CAC 07073002.pdf FL735 R3 C CAC 07073003.pdf FL735 R3 C CAC 08051208.pdf FL735 R3 C CAC 08051209.pdf FL735 R3 C CAC 08051210.pdf

		FL735_R3_C_CAC_08051211.pdf FL735_R3_C_CAC_08051212.pdf Quality Assurance Contract Expiration Date 10/23/2011 Installation Instructions FL735_R3_II_07073002.pdf FL735_R3_II_07073003.pdf FL735_R3_II_08051208.pdf FL735_R3_II_08051209.pdf FL735_R3_II_08051210.pdf FL735_R3_II_08051211.pdf FL735_R3_II_08051212.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
735.11	Glass-Base	Asphalt impregnated and coated glass fiber base sheet.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +0/-622.5 Other: Acceptable for use on low slope roofs.		Certification Agency Certificate FL735_R3_C_CAC_07073002.pdf FL735_R3_C_CAC_07073003.pdf FL735_R3_C_CAC_08051208.pdf FL735_R3_C_CAC_08051209.pdf FL735_R3_C_CAC_08051210.pdf FL735_R3_C_CAC_08051211.pdf FL735_R3_C_CAC_08051212.pdf Quality Assurance Contract Expiration Date 10/23/2011 Installation Instructions FL735_R3_II_07073002.pdf FL735_R3_II_07073003.pdf FL735_R3_II_08051208.pdf FL735_R3_II_08051209.pdf FL735_R3_II_08051210.pdf FL735_R3_II_08051211.pdf FL735_R3_II_08051212.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
735.12	Tam-Glass Premium	Asphalt impregnated fiberglass felt.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +0/-622.5 Other: Acceptable for use on low slope roofs.		Certification Agency Certificate FL735_R3_C_CAC_07073002.pdf FL735_R3_C_CAC_07073003.pdf FL735_R3_C_CAC_08051208.pdf FL735_R3_C_CAC_08051209.pdf FL735_R3_C_CAC_08051210.pdf FL735_R3_C_CAC_08051211.pdf FL735_R3_C_CAC_08051212.pdf Quality Assurance Contract Expiration Date 10/23/2011 Installation Instructions FL735_R3_II_07073002.pdf FL735_R3_II_07073003.pdf FL735_R3_II_08051208.pdf FL735_R3_II_08051209.pdf FL735_R3_II_08051210.pdf FL735_R3_II_08051211.pdf FL735_R3_II_08051212.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
735.13	Tam-Ply IV	Asphalt impregnated fiberglass felt.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +0/-622.5 Other: Acceptable for use on low slope roofs.		Certification Agency Certificate FL735_R3_C_CAC_07073002.pdf FL735_R3_C_CAC_07073003.pdf FL735_R3_C_CAC_08051208.pdf FL735_R3_C_CAC_08051209.pdf FL735_R3_C_CAC_08051210.pdf FL735_R3_C_CAC_08051211.pdf FL735_R3_C_CAC_08051212.pdf Quality Assurance Contract Expiration Date 10/23/2011 Installation Instructions FL735_R3_II_07073002.pdf FL735_R3_II_07073003.pdf FL735_R3_II_08051208.pdf FL735_R3_II_08051209.pdf FL735_R3_II_08051210.pdf FL735_R3_II_08051211.pdf FL735_R3_II_08051212.pdf

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735.14	Type 43 Coated Base Sheet	Heavyweight organic base sheet.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +0/-622.5 Other: Acceptable for use on low slope roofs.		Certification Agency Certificate FL735 R3 C CAC 07073002.pdf FL735 R3 C CAC 07073003.pdf FL735 R3 C CAC 08051208.pdf FL735 R3 C CAC 08051209.pdf FL735 R3 C CAC 08051210.pdf FL735 R3 C CAC 08051211.pdf FL735 R3 C CAC 08051212.pdf Quality Assurance Contract Expiration Date 10/23/2011 Installation Instructions FL735 R3 II 07073002.pdf FL735 R3 II 07073003.pdf FL735 R3 II 08051208.pdf FL735 R3 II 08051209.pdf FL735 R3 II 08051210.pdf FL735 R3 II 08051211.pdf FL735 R3 II 08051212.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
735.15	Vapor-Chan	A fiberglass reinforced heavyweight venting base sheet.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +0/-622.5 Other: Acceptable for use on low slope roofs.		Certification Agency Certificate FL735 R3 C CAC 07073002.pdf FL735 R3 C CAC 07073003.pdf FL735 R3 C CAC 08051208.pdf FL735 R3 C CAC 08051209.pdf FL735 R3 C CAC 08051210.pdf FL735 R3 C CAC 08051211.pdf FL735 R3 C CAC 08051212.pdf Quality Assurance Contract Expiration Date 10/23/2011 Installation Instructions FL735 R3 II 07073002.pdf FL735 R3 II 07073003.pdf FL735 R3 II 08051208.pdf FL735 R3 II 08051209.pdf FL735 R3 II 08051210.pdf FL735 R3 II 08051211.pdf FL735 R3 II 08051212.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
735.16	Versa Cap FR	A fiberglass reinforced SBS modified bitumen membrane surfaced with granules.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +0/-622.5 Other: Acceptable for use on low slope roofs.		Certification Agency Certificate FL735 R3 C CAC 07073002.pdf FL735 R3 C CAC 07073003.pdf FL735 R3 C CAC 08051208.pdf FL735 R3 C CAC 08051209.pdf FL735 R3 C CAC 08051210.pdf FL735 R3 C CAC 08051211.pdf FL735 R3 C CAC 08051212.pdf Quality Assurance Contract Expiration Date 10/23/2011 Installation Instructions FL735 R3 II 07073002.pdf FL735 R3 II 07073003.pdf FL735 R3 II 08051208.pdf FL735 R3 II 08051209.pdf FL735 R3 II 08051210.pdf FL735 R3 II 08051211.pdf FL735 R3 II 08051212.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
735.17	Versa-Base	A fiberglass reinforced SBS modified bitumen membrane.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +0/-622.5		Certification Agency Certificate FL735 R3 C CAC 07073002.pdf FL735 R3 C CAC 07073003.pdf FL735 R3 C CAC 08051208.pdf FL735 R3 C CAC 08051209.pdf

SUBCONTRACTOR VERIFICATION FORM

27983

APPLICATION NUMBER _____

CONTRACTOR

Robert Reed

PHONE _____

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
MECHANICAL/ A/C _____	Print Name _____ License #: _____	Signature _____ Phone #: _____
PLUMBING/ GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
ROOFING	Print Name _____ License #: _____	Signature _____ Phone #: _____
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER	0000 25	Leary Moore Concrete	Leary Moore
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

EXISTING HOUSE

REMOVE EXISTING WINDOWS AND
REPLACE WITH WOOD FRAMING AND
NEW VENTLESS FIREPLACE IN EXISTING
(EXISTING HEADER TO REMAIN)

9/11/09

3.5" X 14.00" GLB UPSET

2X12 SYP #2 RAFTERS @ 24" O.C. (TYP.)

REMOVE EXISTING WINDOWS
AND REPLACE WITH NEW DOOR
(EXISTING HEADER TO REMAIN)

9/11/09

(2) HTS24 FROM BEAM TO STUD PACK
HTT16 FROM STUD PACK TO FOUNDATION

(3) 2X4 SPF #2 STUDS
CENTERED UNDER BEAM

STRUCTURAL PLAN

SCALE: 1/4" = 1'-0"



15JUL09
11Aug09

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

Permit # 27983

George Kerce

Robert Reed
Addition

ADDRESS:
184 SW Lucy Court
Lake City, Florida 32025

Mark Disosway P.E.
P.O. Box 868
Lake City, Florida 32056
Phone: (386) 754 - 5419
Fax: (386) 269 - 4871

PRINTED DATE:
September 11, 2009

DRAWN BY: David Disosway
STRUCTURAL BY:

FINAL DATE:
8Dec08

JOB NUMBER:
812053
DRAWING NUMBER

S-2

OF 2 SHEET

MARK DISOSWAY
P.E. 53915

LIMITATION: This design is valid for one building, at specified location.

CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering comply with section R3012.1, Florida building code residential 2004, to the best of my knowledge.

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5 out of 5	Write a review for a chance to win a \$250 Gift Card. Learn More.	

Description

This remote controlled 11,500 BTU window air conditioner with new flat panel design and electronic controls will cool approximately 550 square feet. That's a 22' x 25' room! Three cooling and three fan speeds, as well as 4-way air direction, ensure your comfort. Designed for use on 115 volt, 15 amp circuits, it has an energy efficiency rating of 9.8. Buy now! Fits a minimum window opening of 16" high and 27" to 39" wide.

Electronic controls
Remote control
4-way air deflection
Top discharge
MFG Brand Name : LG Electronics
MFG Model # : LWHD1200FR
MFG Part # : LWHD1200FR

Specifications

ADA Compliant : No
Air Conditioner Type : Window
Amperage : 10.6 A.
Assembled Depth (In Inches) : 20.62 In.
Assembled Height (In Inches) : 4.968 In.
Assembled Weight (In LBS) : 7.0
Assembled Width (In Inches) : 16.25 In.
Color / Finish : Silver
Color/Finish : Stainless Look
Energy Star Compliant : No
Remote Control : Yes

COPY

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name: 812053RobertReed
 Street: 184 SW Lucy Court
 City, State, Zip: , FL ,
 Owner: Robert Reed
 Design Location: FL, Gainesville

Builder Name: ROBERT REED
 Permit Office: COLUMBIA
 Permit Number:
 Jurisdiction: 22100C

1. New construction or existing Addition
 2. Single family or multiple family Single-family
 3. Number of units, if multiple family 1
 4. Number of Bedrooms 3
 5. Is this a worst case? No
 6. Conditioned floor area (ft²) 452
7. Windows Description Area
 a. U-Factor: Dbl, default 75.00 ft²
 SHGC: Clear, default
 b. U-Factor: N/A ft²
 SHGC:
 c. U-Factor: N/A ft²
 SHGC:
 d. U-Factor: N/A ft²
 SHGC:
 e. U-Factor: N/A ft²
 SHGC:
8. Floor Types Insulation Area
 a. Slab-On-Grade Edge Insulation R=0.0 452.00 ft²
 b. N/A R= ft²
 c. N/A R= ft²

9. Wall Types Insulation Area
 a. Frame - Wood, Exterior R=13.0 236.00 ft²
 b. N/A R= ft²
 c. N/A R= ft²
 d. N/A R= ft²

10. Ceiling Types Insulation Area
 a. Under Attic (Vented) R=30.0 452.00 ft²
 b. N/A R= ft²
 c. N/A R= ft²

11. Ducts
 a. Sup: Interior Ret: Interior AH: Exterior Sup. R= 6, 1 ft²
12. Cooling systems -
 a. PTAC and Room Unit Cap: 9.9 kBtu/hr
 EER: 13

13. Heating systems -
 a. Window/Wall Heat Pump Cap: 8.2 kBtu/hr
 HSPF: 7.7

14. Hot water systems
 a. Electric Cap: 40 gallons
 EF: 0.92
 b. Conservation features
 None

15. Credits None

Glass/Floor Area: 0.166

Total As-Built Modified Loads: 6.68

Total Baseline Loads: 8.18

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: [Signature]
 DATE: 7/20/09 E. BARNES

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: _____
 DATE: _____

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.



BUILDING OFFICIAL: _____
 DATE: _____

PROJECT

Title:	812053RobertReed	Bedrooms:	3	Adress Type:	Street Address
Building Type:	FLAsBuilt	Bathrooms:	0	Lot #	
Owner:	Robert Reed	Conditioned Area:	452	SubDivision:	
# of Units:	1	Total Stories:	1	PlatBook:	
Builder Name:		Worst Case:	No	Street:	184 SW Lucy Court
Permit Office:		Rotate Angle:	0	County:	Columbia
Jurisdiction:		Cross Ventilation:	No	City, State, Zip:	, FL ,
Family Type:	Single-family	Whole House Fan:	No		
New/Existing:	Addition				
Comment:					

CLIMATE

✓	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Gainesville	FL_GAINESVILLE_REGI	2	32	92	75	70	1305.5	51	Medium

FLOORS

✓	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	29.5 ft	0	452 ft²	1	0	0

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
_____	1	Gable or shed	Composition shingles	466 ft²	56 ft²	Dark	0.96	No	0	14 deg

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	303	452 ft²	N	N

CEILING

✓	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	30	452 ft²	0.11	Wood

WALLS

✓	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
_____	1	N	Exterior	Frame - Wood	13	156 ft²	0	0.23	0.75
_____	2	E	Exterior	Frame - Wood	13	40 ft²	0	0.23	0.75
_____	3	W	Exterior	Frame - Wood	13	40 ft²	0	0.23	0.75

DOORS

✓	#	Ornt	Door Type	Storms	U-Value	Area
✓	1	W	Insulated	None	0.4	20 ft²

WINDOWS

Window orientation below is as entered. Actual orientation is modified by rotate angle shown in "Project" section above.

✓	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang Depth Separation	Int Shade	Screening
✓	1	N	Metal	Double (Clear)	No	0.87	0.66	N	60 ft²	0 ft 18 in 0 ft 6 in	HERS 2006	None
✓	2	E	Metal	Double (Clear)	No	0.87	0.66	N	15 ft²	0 ft 18 in 0 ft 12 in	HERS 2006	None

INFILTRATION & VENTING

✓	Method	SLA	CFM 50	ACH 50	ELA	EqLA	---- Forced Ventilation ---- Supply CFM Exhaust CFM		Run Time Fraction	Fan Watts
✓	Default	0.00070	830	13.77	45.6	85.7	0 cfm	0 cfm	0	0

COOLING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless
✓	1	PTAC and Room Unit	None	EER: 13	8 kBtu/hr	240 cfm	0.75	

HEATING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Ductless
✓	1	Window/Wall Heat Pump	None	HSPF: 7.7	8 kBtu/hr	

HOT WATER SYSTEM

✓	#	System Type	EF	Cap	Use	SetPnt	Conservation
✓	1	Electric	0.92	40 gal	60 gal	120 deg	None

SOLAR HOT WATER SYSTEM

✓	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
✓	None	None			ft²		

DUCTS

✓	#	---- Supply ---- Location R-Value Area			---- Return ---- Location Area		Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
✓	1	Interior	6	1 ft²	Interior	0 ft²	Default Leakage	Exterior				

TEMPERATURES

Programable Thermostat: N

Ceiling Fans:

Cooling	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input checked="" type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec
Heating	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input checked="" type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec
Venting	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input checked="" type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec

Thermostat Schedule: HERS 2006 Reference

		Hours											
Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68
Heating (WEH)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: 184 SW Lucy Court
 , FL,

PERMIT #:

INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	N1106.AB.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	N1106.AB.1.2.2	Penetrations/openings > 1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	N1106.AB.1.2.3	Between walls & ceilings; penetrations of ceiling plane to top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	N1106.AB.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	N1106.AB.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N112.ABC.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	N1112.AB.2.3	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%. Heat pump pool heaters shall have a minimum COP of 4.0.	
Shower heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	N1104.AB.1 N1102.B.1.1	Ceilings-Min. R-19. Common walls-frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 82

The lower the EnergyPerformance Index, the more efficient the home.

184 SW Lucy Court, , FL,

1. New construction or existing	Addition		9. Wall Types	Insulation	Area
2. Single family or multiple family	Single-family		a. Frame - Wood, Exterior	R=13.0	236.00 ft ²
3. Number of units, if multiple family	1		b. N/A	R=	ft ²
4. Number of Bedrooms	3		c. N/A	R=	ft ²
5. Is this a worst case?	No		d. N/A	R=	ft ²
6. Conditioned floor area (ft ²)	452		10. Ceiling Types	Insulation	Area
7. Windows**	Description	Area	a. Under Attic (Vented)	R=30.0	452.00 ft ²
a. U-Factor:	DbI, default	75.00 ft ²	b. N/A	R=	ft ²
SHGC:	Clear, default		c. N/A	R=	ft ²
b. U-Factor:	N/A	ft ²	11. Ducts		
SHGC:			a. Sup: Interior Ret: Interior AH: Exterior Sup. R= 6, 1 ft ²		
c. U-Factor:	N/A	ft ²	12. Cooling systems -		
SHGC:			a. PTAC and Room Unit	Cap: 9.9 kBtu/hr	
d. U-Factor:	N/A	ft ²		EER: 13	
SHGC:			13. Heating systems -		
e. U-Factor:	N/A	ft ²	a. Window/Wall Heat Pump	Cap: 8.2 kBtu/hr	
SHGC:				HSPF: 7.7	
8. Floor Types	Insulation	Area	14. Hot water systems		
a. Slab-On-Grade Edge Insulation	R=0.0	452.00 ft ²	a. Electric	Cap: 40 gallons	
b. N/A	R=	ft ²	b. Conservation features	EF: 0.92	
c. N/A	R=	ft ²	None		
			15. Credits		None

I certify that this home has complied with the Florida Energy Efficiency Code for Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____



*Note: The home's estimated Energy Performance Index is only available through the EnergyGauge USA - FlaRes2008 computer program. This is not a Building Energy Rating. If your Index is below 100, your home may qualify for incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at (321) 638-1492 or see the Energy Gauge web site at energygauge.com for information and a list of certified Raters. For information about Florida's Energy Efficiency Code for Building Construction, contact the Department of Community Affairs at (850) 487-1824.

**Label required by Section 13-104.4.5 of the Florida Building Code, Building, or Section B2.1.1 of Appendix G of the Florida Building Code, Residential, if not DEFAULT.

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)

Address: 536 SE Bay Dr.

City Lake City Phone 752-1703

Site Location: Subdivision _____

Lot # _____ Block# _____ Permit # 29983

Address _____

Product used

Active Ingredient

% Concentration

☐ Premise Imidacloprid 0.1%

☒ Termidor Fipronil 0.12%

☐ Bora-Care Disodium Octaborate Tetrahydrate 23.0%

Type treatment:

☐ Soil

☐ Wood

Area Treated

Square feet

Linear feet

Gallons Applied

<u>Back patio</u>	<u>400</u>	<u>0</u>	<u>21</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

8-11-09
Date

10:50
Time

FO82 BOK
Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

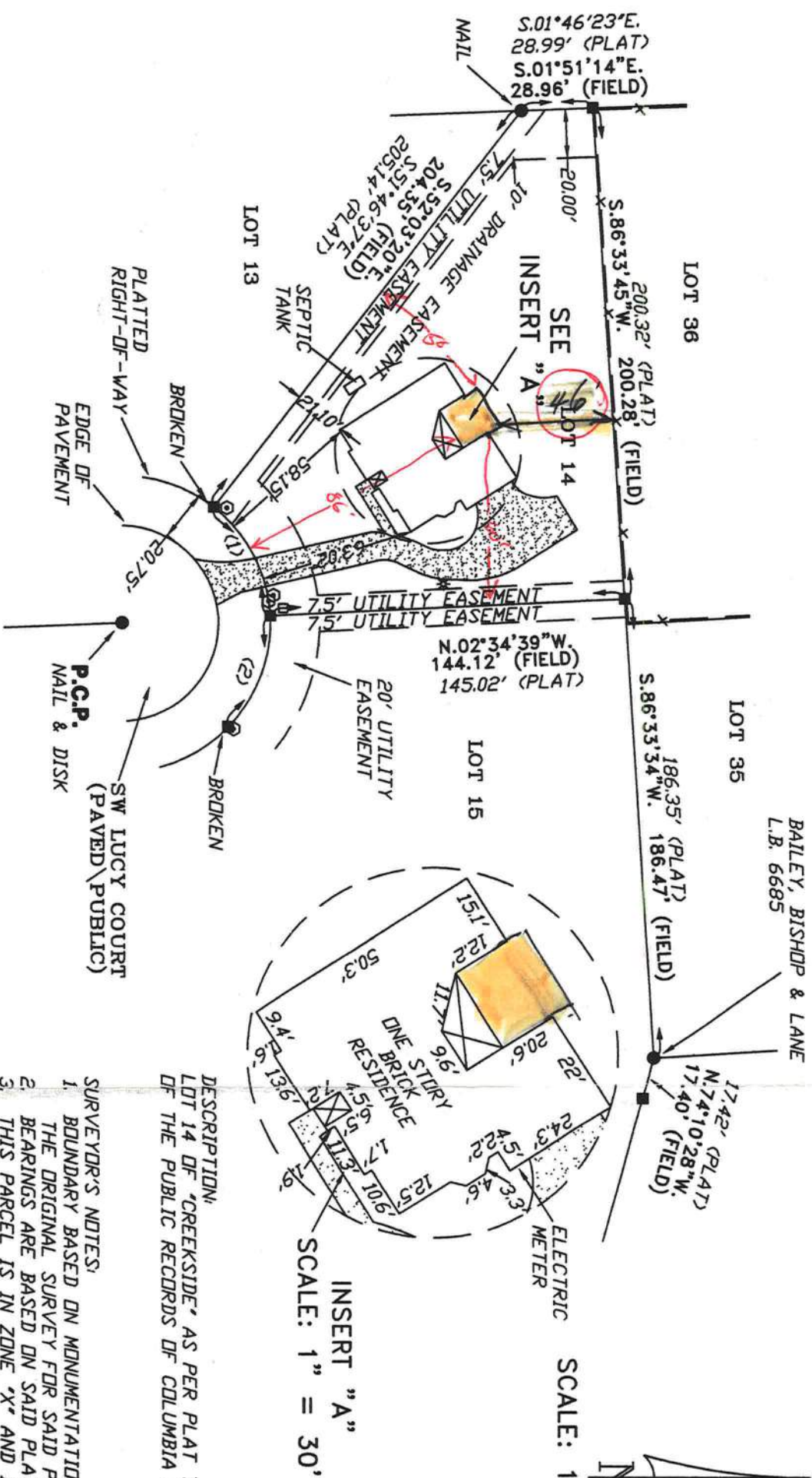
Permit Holder - Pink

10/05



CURVE TABLE

NO.	RADIUS	DELTA	ARC	TANGENT	CHORD	CHORD BEARING
1	60.00'	48°59'41"	51.31'	27.34'	49.76'	N62°57'09"E.
PLAT	60.00'	49°11'58"	51.52'	27.47'	49.95'	N62°49'22"E.
2	60.00'	47°36'32"	49.86'	26.47'	48.43'	S68°55'54"E.
PLAT	60.00'	47°33'39"	49.81'	26.44'	48.39'	S68°47'49"E.



DESCRIPTION:
LOT 14 OF 'CREEKSIDE' AS PER PLAT THEREOF RECORDED IN PLAT BOOK 7, PAGES 124 & 125
OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

- SURVEYOR'S NOTES:
1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF THE ORIGINAL SURVEY FOR SAID PLAT OF RECORD.
 2. BEARINGS ARE BASED ON SAID PLAT OF RECORD.
 3. THIS PARCEL IS IN ZONE 'X' AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD RATE MAP, DATED 6 JANUARY, 1988 COMMUNITY PANEL NUMBER 120070 0175 B. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE.
 4. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
 5. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
 6. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.

NOTE: UNLESS OTHERWISE DENOTED ALL PROPERTY CORNERS
LOCATED ARE IDENTIFIED AS L.S. BRITT, P.L.S. 5757.

CERTIFIED TO:

ROBERT E. & KELLY K. REED
TITLE OFFICE, LLC
OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY
COUNTRYWIDE HOME LOANS, INC.

FIELD BOOK, 301 PAGE(S), 69

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM
TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS
IN CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.021, FLORIDA STATUTES.
08/30/07 08/30/07
FIELD SURVEY DATE DRAWING DATE
L. SCOTT BRITT, P.S.M.
CERTIFICATION # 5757
NOTE: UNLESS IT BEARS THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND
MAPPER THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.



BRITT SURVEYING
& ASSOCIATES, INC.

LAND SURVEYORS AND MAPPERS
830 WEST DUVAL STREET LAKE CITY, FLORIDA 32055
(386)752-7163 FAX (386)752-5573
WORK ORDER # L-18748

BOUNDARY SURVEY IN SECTION 12, TOWNSHIP 4 SOUTH,
RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.